FIG. 1   EV Dilution Series: Detection of Coxsackie A16 virus at 5,000, 1,000,
100, 10 genomes per reaction (ROX).
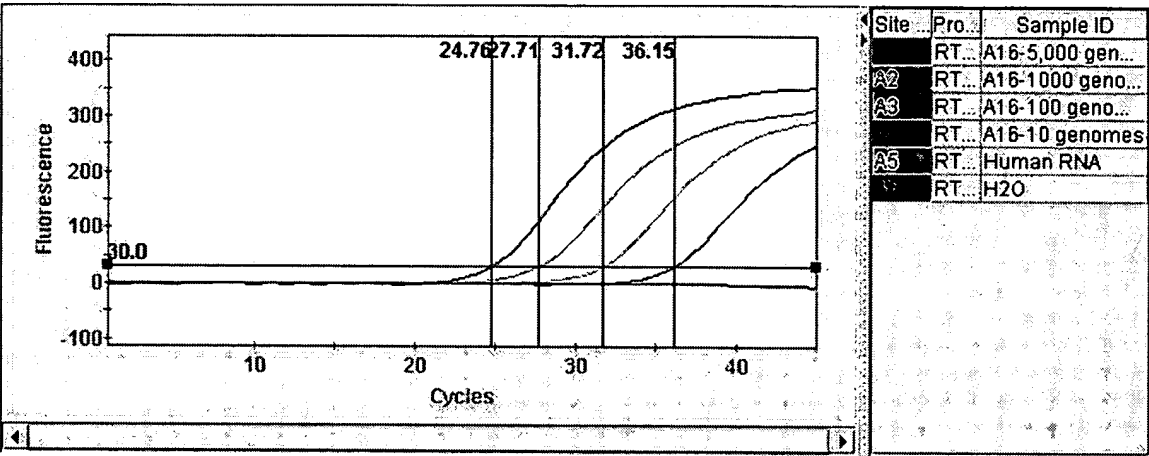

Site	Pro.	Sample ID
	RT..	A16-5,000 gen...
A2	RT..	A16-1000 geno...
A3	RT..	A16-100 geno...
	RT..	A16-10 genomes
A5	RT..	Human RNA
	RT..	H2O

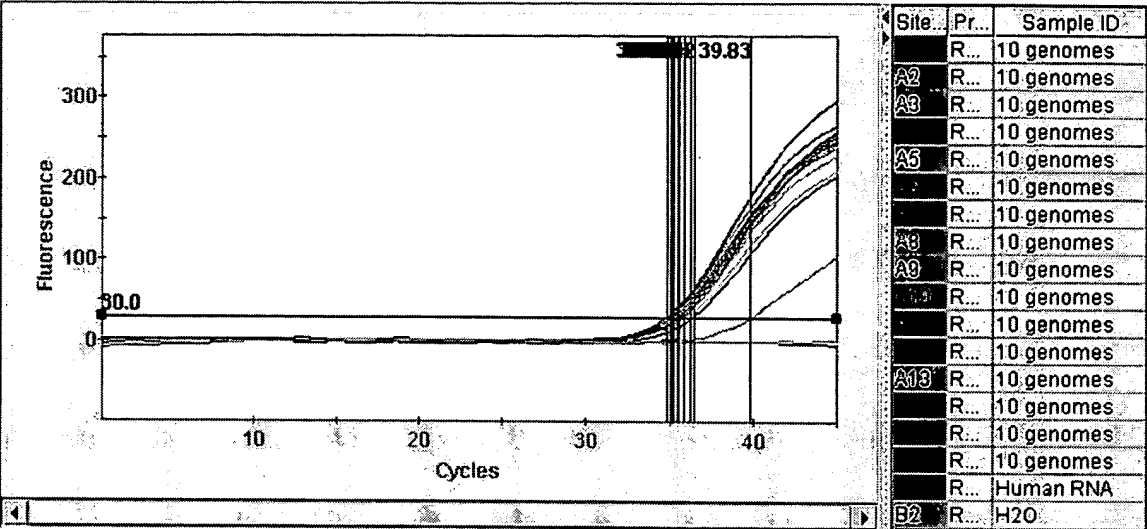FIG. 2.   Detection of 10 copies of Coxsackie A16 in 16 parallel reactions (ROX).

FIG. 3.   Detection of several dominant EV serotypes (~5,000 virus/rxn) either pure or in a background of human RNA (ROX).
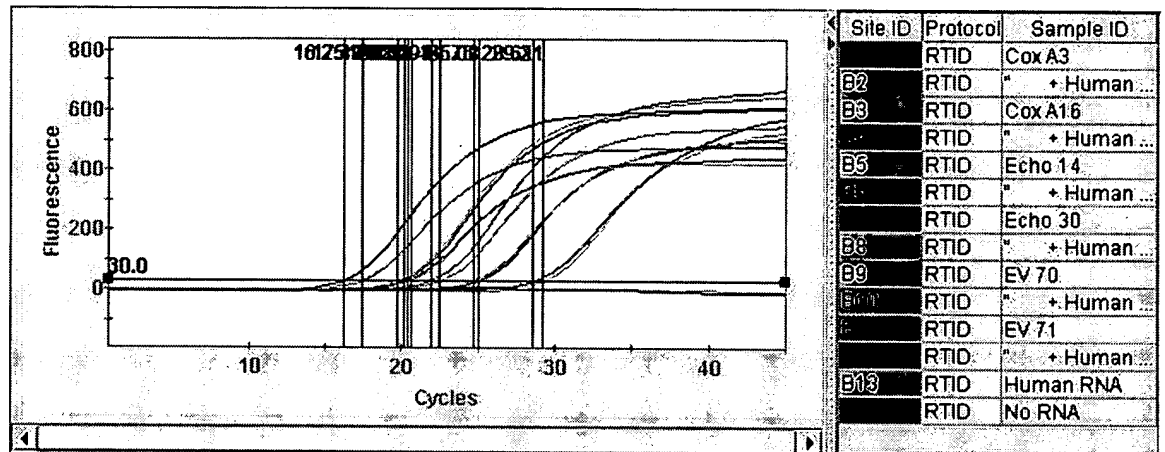

Site ID	Protocol	Sample ID
	RTID	Cox A3
B2	RTID	" + Human ...
B3	RTID	Cox A16
	RTID	" + Human ...
B5	RTID	Echo 14
	RTID	" + Human ...
	RTID	Echo 30
B8	RTID	" + Human ...
B9	RTID	EV 70
B10	RTID	" + Human
	RTID	EV 71
	RTID	" + Human
B13	RTID	Human RNA
	RTID	No RNA

FIG. 4.   Detection of EV in archived CSF samples with and without a human
          RNA "spike" (ROX). Results correlate with "nested" RT-PCR results
          using PAGE.

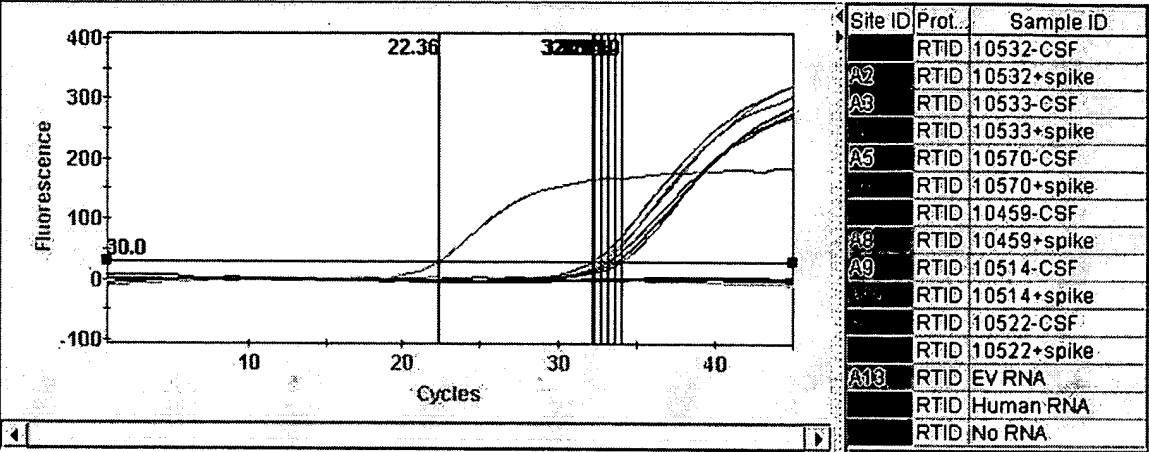| Site ID	Prot.	Sample ID
	RTID	10532-CSF
A2	RTID	10532+spike
A3	RTID	10533-CSF
	RTID	10533+spike
A5	RTID	10570-CSF
	RTID	10570+spike
	RTID	10459-CSF
A8	RTID	10459+spike
A9	RTID	10514-CSF
	RTID	10514+spike
	RTID	10522-CSF
	RTID	10522+spike
A13	RTID	EV RNA
	RTID	Human RNA
	RTID	No RNA

FIG. 5.   Detection of human beta-actin mRNA in archived CSF samples (from above, #4). Patient-derived internal positive control signal was detected in all samples (FAM).
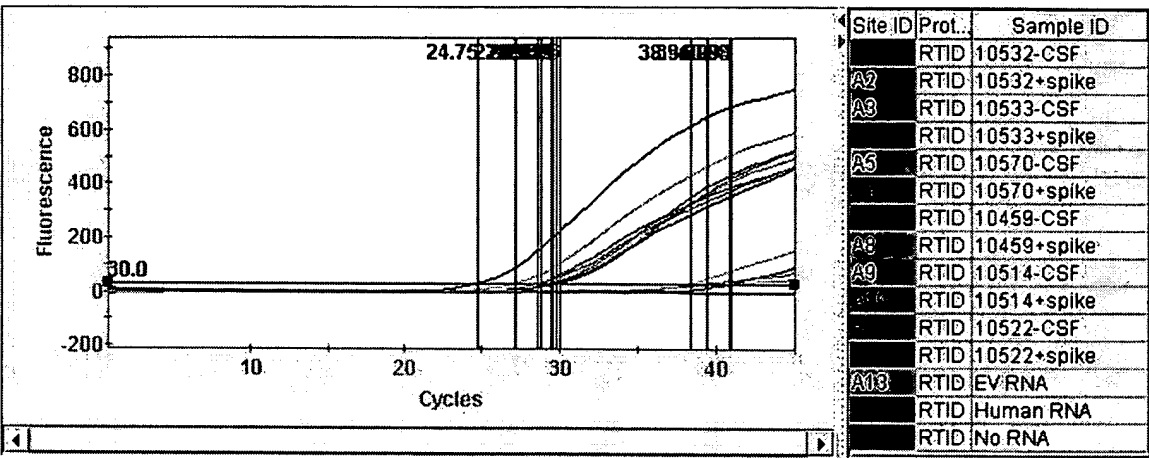
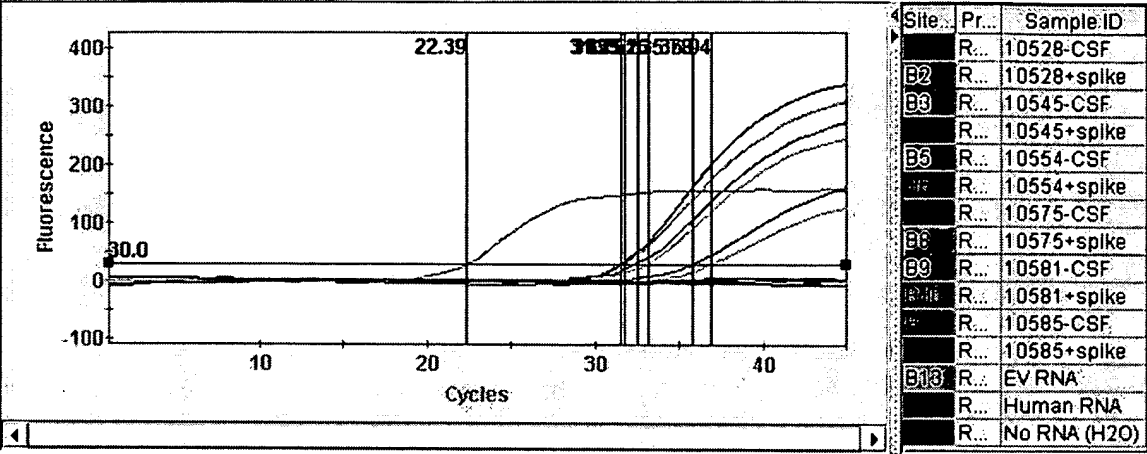FIG. 6.   Additional set of archived CSF samples (positives and negatives) showing EV detection (ROX).

Site	Pr...	Sample ID
	R...	10528-CSF
B2	R...	10528+spike
B3	R...	10545-CSF
	R...	10545+spike
B5	R...	10554-CSF
	R...	10554+spike
	R...	10575-CSF
B8	R...	10575+spike
B9	R...	10581-CSF
	R...	10581+spike
	R...	10585-CSF
	R...	10585+spike
B13	R...	EV RNA
	R...	Human RNA
	R...	No RNA (H2O)

FIG. 7.   Same samples as above (#6) showing detection of beta-actin internal
            control (FAM).

Site..	Pr..	Sample ID
	R...	10528-CSF
B2	R...	10528+spike
B3	R...	10545-CSF
	R...	10545+spike
B5	R...	10554-CSF
	R...	10554+spike
	R...	10575-CSF
B9	R...	10575+spike
B9	R...	10581-CSF
	R...	10581+spike
	R...	10585-CSF
	R...	10585+spike
B13	R...	EV RNA
	R...	Human RNA
	R...	No RNA (H2O)

FIG. 8.   Detection of EV in archived plasma samples (positives & negatives)
            (ROX).

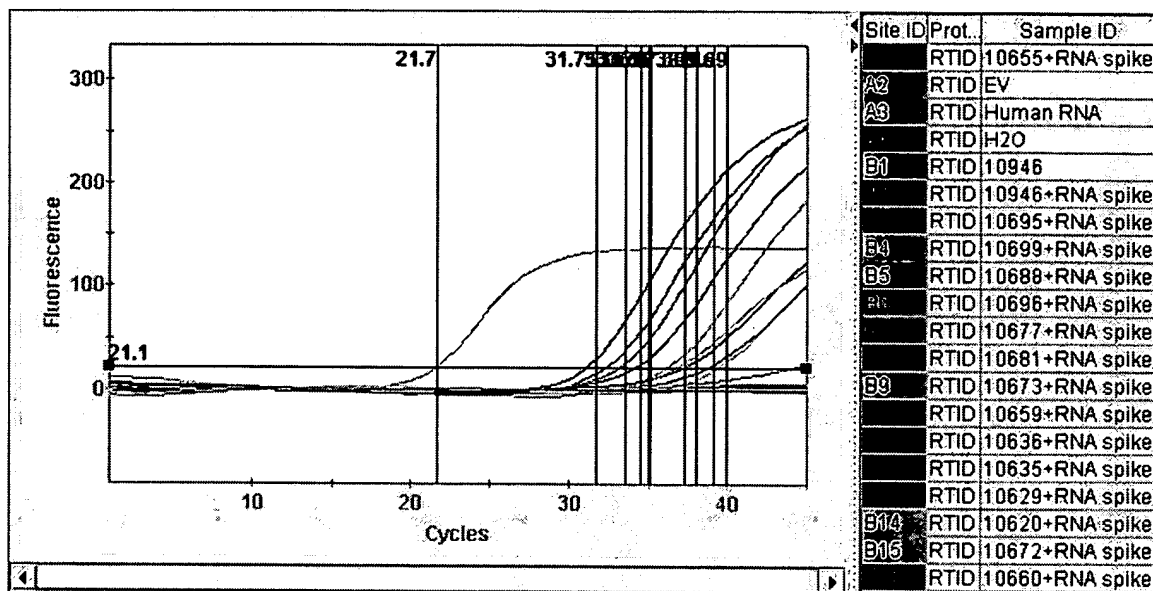| Site ID	Prot.	Sample ID
	RTID	10655+RNA spike
A2	RTID	EV
A3	RTID	Human RNA
	RTID	H2O
B1	RTID	10946
	RTID	10946+RNA spike
	RTID	10695+RNA spike
B4	RTID	10699+RNA spike
B5	RTID	10688+RNA spike
B6	RTID	10696+RNA spike
	RTID	10677+RNA spike
	RTID	10681+RNA spike
B9	RTID	10673+RNA spike
	RTID	10659+RNA spike
	RTID	10636+RNA spike
	RTID	10635+RNA spike
	RTID	10629+RNA spike
B14	RTID	10620+RNA spike
B15	RTID	10672+RNA spike
	RTID	10660+RNA spike

FIG. 9.   Detection of beta-actin internal positive control in same plasma
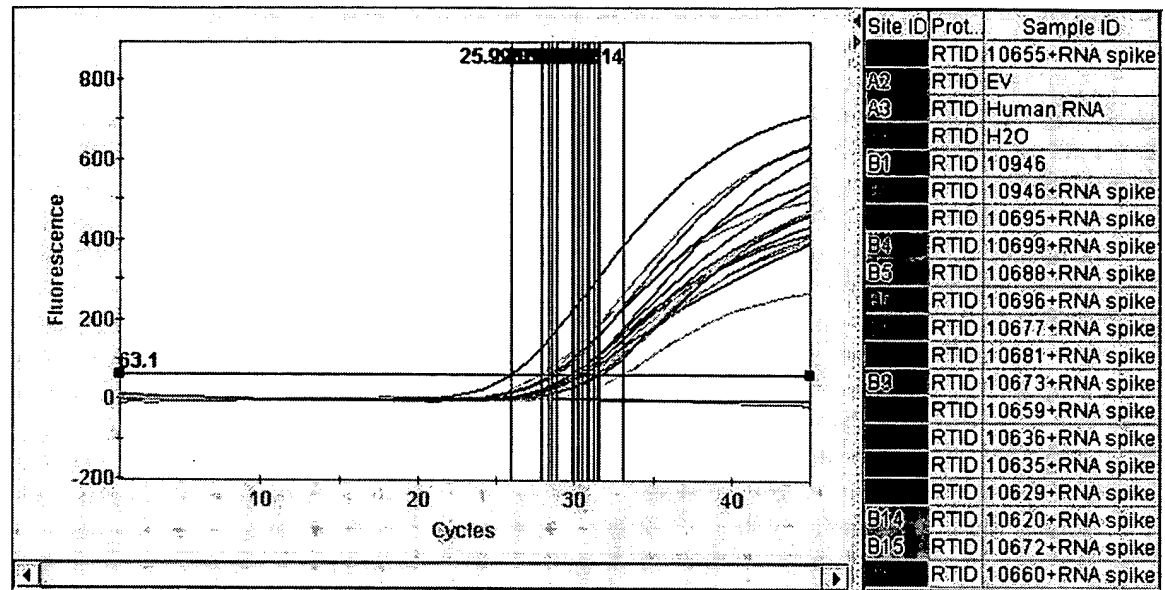   samples as above (#8) (FAM).

FIG. 10.   Detection of EV in a blood from clinically determined "high" and "low" titer" infections (each run in duplicate) (ROX).

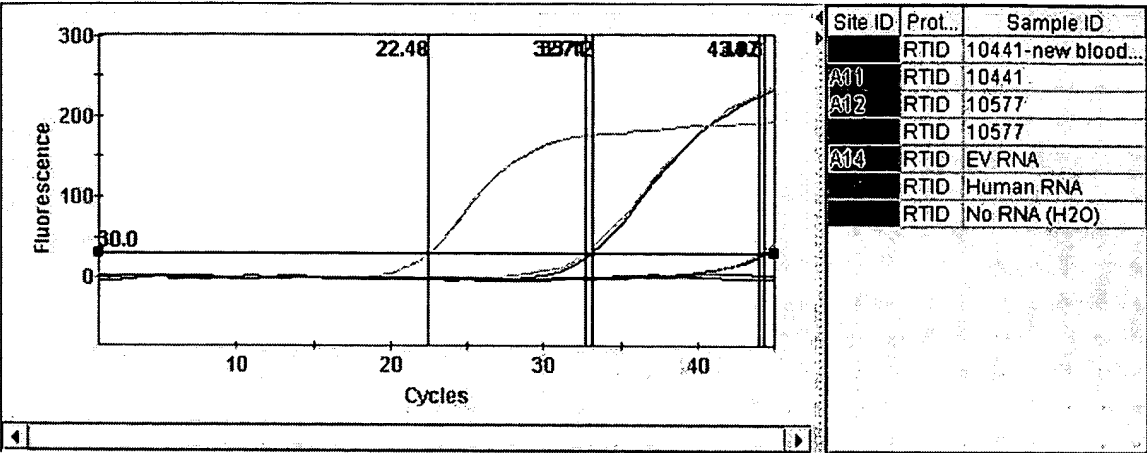| Site ID	Prot...	Sample ID
	RTID	10441-new blood...
A11	RTID	10441
A12	RTID	10577
	RTID	10577
A14	RTID	EV RNA
	RTID	Human RNA
	RTID	No RNA (H2O)

FIG. 11.   Detection of beta-actin internal positive control in the samples shown above (#10) (FAM).

FIG. 12. EV Real-time RT-PCR assay performed on known negative CSF samples (ROX).
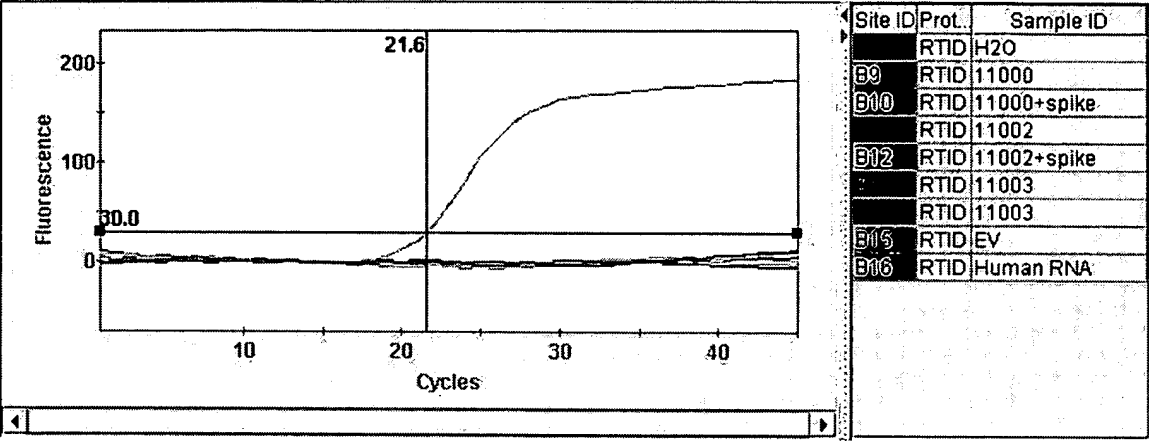

Site ID	Prot.	Sample ID
	RTID	H2O
B9	RTID	11000
B10	RTID	11000+spike
	RTID	11002
B12	RTID	11002+spike
	RTID	11003
	RTID	11003
B15	RTID	EV
B16	RTID	Human RNA

FIG. 13.   Detection of beta-actin internal positive control in above negative samples (FAM).

Site ID	Prot.	Sample ID
	RTID	H2O
B9	RTID	11000
B10	RTID	11000+spike
	RTID	11002
B12	RTID	11002+spike
	RTID	11003
	RTID	11003
B15	RTID	EV
B16	RTID	Human RNA